

WHAT IS CLAIMED IS:

1. A sounding apparatus for use with a personal computer, said personal computer comprising a core logic unit including a south bridge chip, said sounding apparatus comprising:

an external data bus control circuit receiving an audio signal from said core logic unit;

an analog circuit electrically connected to said external data bus control circuit for converting said audio signal into an analog signal and amplifying power of said analog signal; and

a speaker electrically connected to said analog circuit for sounding in response to said amplified analog signal,

wherein said external data bus control circuit, said analog circuit and said speaker are accommodated in the same housing.

2. The sounding apparatus according to claim 1 wherein said audio signal is outputted from a digital audio circuit integrated into said south bridge chip.

3. The sounding apparatus according to claim 1 wherein said audio signal is transmitted from said core logic unit to said external data bus control circuit via an external data bus socket electrically connected to said core logic unit and an external data bus connector electrically connected to said sounding apparatus.

4. The sounding apparatus according to claim 3 wherein said external data bus connector and said external data bus control circuit are a universal serial bus (USB) connector and a universal serial bus (USB) control circuit, respectively.

5. The sounding apparatus according to claim 3 wherein said external data bus connector and said external data bus control circuit are an IEEE 1394 signal bus connector and an IEEE 1394 signal bus control circuit, respectively.

6. The sounding apparatus according to claim 3 wherein said external data bus

connector is hot plug-unplug and has a function of universal plug and play (UPnP).

7. The sounding apparatus according to claim 1 wherein said analog circuit comprises a codec for converting said audio signal into said analog signal, and a power amplifier for amplifying power of said analog signal.

8. The sounding apparatus according to claim 7 wherein said codec complies with architecture of Audio Codec 97.

9. A sounding apparatus for use in a personal computer system, said personal computer system comprising an external data bus socket for conducting an external data bus, said sounding apparatus comprising:

an external data bus connector plugged in said external data bus socket;

an external data bus control circuit electrically connected to said external data bus connector, and processing an audio signal received from said personal computer system via said external data bus;

a codec electrically connected to said external data bus control circuit for converting said audio signal into an analog signal;

a power amplifier for amplifying power of said analog signal; and

a speaker electrically connected to said power amplifier for sounding in response to said amplified analog signal.

10. The sounding apparatus according to claim 9 wherein said external data bus control circuit, said codec, said power amplifier and said speaker are enclosed with the same housing.

11. The sounding apparatus according to claim 9 wherein said external data bus connector is a universal series bus (USB) connector, and said external data bus control circuit is a USB control circuit.

12. The sounding apparatus according to claim 9 wherein said external data bus

connector is an IEEE 1394 signal bus connector, and said external data bus control circuit is an IEEE 1394 signal bus control circuit.

13. The sounding apparatus according to claim 9 wherein said codec complies with architecture of Audio Codec 97.

14. A personal computer system comprising:

a core logic unit integrating therein a digital audio circuit;

an external data bus in communication with said digital audio circuit of said core logic unit for transmitting an audio signal outputted from said digital audio circuit; and

a sounding apparatus comprising an external data bus control circuit in communication with said external data bus, a codec in communication with said external data bus control circuit for converting said audio signal into an analog signal, a power amplifier for amplifying power of said analog signal, and a speaker electrically connected to said power amplifier for sounding in response to said amplified analog signal, said external data bus control circuit, said codec, said power amplifier and said speaker being accommodated in the same housing.

15. The personal computer system according to claim 14 wherein said core logic unit is a south bridge chip integrating therein said digital audio circuit.

16. The personal computer system according to claim 14 wherein said codec and said digital audio circuit comply with the architecture of Audio Codec 97.

17. The personal computer system according to claim 14 wherein said external data bus is a universal serial bus (USB), which is hot plug-unplug and has a function of universal plug and play (UPnP).

18. The personal computer system according to claim 14 wherein said external data bus is IEEE 1394 signal bus, which is hot plug-unplug and has a function of universal plug and play (UPnP).